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**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (ORIGINAL) Seed of corn inbred line designated KW4636, representative seed of said line having been deposited under ATCC Accession No. \_\_\_\_\_.
2. (ORIGINAL) A corn plant, or parts thereof, produced by growing the seed of claim 1.
3. (ORIGINAL) Pollen of the plant of claim 2.
4. (ORIGINAL) An ovule of the plant of claim 2.
5. (ORIGINAL) A corn plant, or parts thereof, having all of the physiological and morphological characteristics of the corn plant of claim 2.
6. (PREVIOUSLY PRESENTED) The corn plant of claim 2, wherein said plant is detasseled.
7. (ORIGINAL) A tissue culture of regenerable cells from the corn plant of claim 2.
8. (PREVIOUSLY PRESENTED) The tissue culture according to claim 7, the cells or protoplasts of said cells having been isolated from a tissue selected from the group consisting of leaves, pollen, embryo, roots, root tips, anthers, silks, flowers, kernels, ears, cobs, husks, and stalks.
9. (ORIGINAL) A corn plant regenerated from the tissue culture of claim 7, wherein the regenerated plant is capable of expressing all the morphological and physiological characteristics of inbred line KW4636.
10. (CANCELLED)
11. (ORIGINAL) A method for producing a hybrid corn seed comprising crossing a first inbred parent corn plant with a second inbred parent corn plant and harvesting the resultant hybrid corn seed, wherein said first inbred parent corn plant or second said parent corn plant is the corn plant of claim 2.
- 12 - 37. (CANCELLED)

38. (PREVIOUSLY PRESENTED) A method of producing a male sterile corn plant comprising transforming the corn plant of claim 2 with a transgene that confers male sterility.

39. (PREVIOUSLY PRESENTED) A male sterile corn plant produced by the method of claim 38.

40. (PREVIOUSLY PRESENTED) A method of producing an herbicide resistant corn plant comprising transforming the corn plant of claim 2 with a transgene that confers herbicide resistance.

41. (PREVIOUSLY PRESENTED) A herbicide resistant corn plant produced by the method of claim 40.

42. (PREVIOUSLY PRESENTED) A method of producing an insect resistant corn plant comprising transforming the corn plant of claim 2 with a transgene that confers insect resistance.

43. (PREVIOUSLY PRESENTED) An insect resistant corn plant produced by the method of claim 42.

44. (PREVIOUSLY PRESENTED) A method of producing a disease resistant corn plant comprising transforming the corn plant of claim 2 with a transgene that confers disease resistance.

45. (PREVIOUSLY PRESENTED) A disease resistant corn plant produced by the method of claim 44.

46. (CURRENTLY AMENDED) A method of producing a transgenic corn plant comprising transforming the corn plant of claim 2 with a transgene wherein the transgene confers a characteristic selected from the group consisting of: male sterility, herbicide resistance, insect resistance, resistance to bacterial disease, resistance to fungal disease, and resistance to viral disease and corn endosperm with improved nutritional quality.

47. (CURRENTLY AMENDED) A method of introducing a desired trait into corn inbred line KW4636 comprising:

(a) crossing the KW4636 plants, grown from seed deposited under ATCC Accession No. PTA-\_\_\_\_\_, with plants of another corn line that comprise a desired trait to produce F1 progeny plants, wherein the desired trait is selected from male sterility,

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herbicide resistance, insect resistance, ~~corn endosperm with improved nutritional quality~~ and resistance to bacterial, fungal or viral disease;

(b) selecting F1 progeny plants that have the desired trait to produce selected F1 progeny plants;

(c) crossing the selected F1 progeny plants with the KW4636 plants to produce first backcross progeny plants;

(d) selecting for first backcross progeny plants that have the desired trait and physiological and morphological characteristics of maize inbred line KW4636 to produce selected first backcross progeny plants; and

(e) repeating steps (c) and (d) three or more times in succession to produce selected fourth or higher backcross progeny plants that comprise the desired trait and all of the physiological and morphological characteristics of maize inbred line KW4636 as determined at a 5% significance level when grown in the same environmental conditions.

48. (CURRENTLY AMENDED) A plant produced by the method of claim 1 ~~claim 47~~, wherein the plant has the desired trait and all of the physiological and morphological characteristics of corn inbred line KW4636 as determined at a 5% significance level when grown in the same environmental conditions.